

ABSTRACT

A two or more chambered airbag provides much improved safety and/or
5 performance. A modified single chamber airbag can be used as the primary chamber of
the two-chamber airbag. A piece of fabric of appropriate size is sewn to the inside or
outside surface of the front panel of the primary chamber to create the secondary
chamber. One or more apertures are opened between the primary and secondary
chambers. In order for the secondary chamber to inflate properly, the tethers of the
10 primary chamber are shortened to 50% to 80% of their original length. The size or
location of the tether sewing to the inner surface of the front panel of the primary
chamber is also adjusted to create a desired shape of the secondary chamber when
deployed.